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NATRUE
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Hochdruckextraktion mit CO₂



since 1986

FLAVEX[®]
Naturextrakte

Version No. 006.001_03_S, Date: 31.01.2023

General Specification

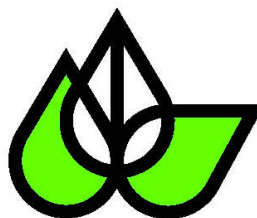
Brewer's Barley CO₂-to extract

Type No. 006.001

Raw material:	<i>Hordeum vulgare</i> - Treber
Production:	By supercritical fluid extraction with natural carbon dioxide no solvent residues, no inorganic salts, no heavy metals, no reproducible microorganisms [1]. The extract is stabilized by addition of tocopherols.
D/E - ratio:	18 - 22 kg brewer's grains to 1 kg product.
Organoleptic description:	Light brown to pale orange, at room temperature turbid due to presence of plant waxes.
Composition:	99.9 % Brewer's Barley CO ₂ -to extract 0.1 % antioxidant tocopherol-rich extract
Ingredients:	High content of unsaturated fatty acids, consisting mainly of 50-63% linoleic acid (C18:2 w6), 16-25% palmitic acid (C16:0), 8-18% oleic acid (C18:1w9) and alpha linolenic acid (C18:3 w3).
Declaration:	In cosmetics: INCI-Name: Hordeum Vulgare Seed Extract CAS-No. 85251-64-5, EINECS-No. 286-476-2, Tocopherol CAS-No. 1406-66-2, EINECS-No. 604-195-9
Application:	In cosmetics: The extract is used in cosmetic products because it has beneficial properties for the skin.
Stability:	Unopened containers at least 3 years under exclusion of light and following conditions: Store in a cool, dry place! Recommendation: Store under inert gas!
Transport:	No dangerous good in the sense of the transport regulations.
REACH - Status:	The substance is exempted from registration under annex V entry 9 of the reach regulation (EC) No 1907/2006.
Certification:	- HALAL certified by HCS (Halal Certification Services) - KOSHER certified by KLBD (Beth Din Kashrut Division) - Approved by EcoControl, conform to the NATRUE Standard
Conformity:	The product complies with the requirements of Regulation (EC) No.1223/2009 on cosmetic products in the currently valid version. Possible traces of prohibited substances are unintentional and result from impurities as they may occur in plants and their processing and are technically unavoidable in good manufacturing practice. However, the presence is in compliance with Art. 3 Regulation (EC) No. 1223/2009.



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Literature:

[1] P. Manninen, E. Häivälä, S. Sarimo, H. Kallio, Distribution of microbes in supercritical CO₂ extraction of sea buckthorn (*Hippophae rhamnoides*) oils, Zeitschrift für Lebensmitteluntersuchung und -Forschung / Springer-Verlag (1997) 204: 202-205

Disclaimer:

This specification has been prepared to the best of our knowledge for customer information, but under exemption of liability, particularly regarding infringement of or prejudice to third party rights by the use of the product. Statements on application summarise literature evidence and have informative character. Statements have not been evaluated by competent authorities and do not refer to finished products. The marketer of a finished product containing a FLAVEX extract as an ingredient is responsible for ensuring that the product claims are lawful and that the applicable laws and regulations of the country in which the product is sold are complied with. This document provides an overview of the product, further product-relevant documents (e.g. IFRA list, allergen list) are available on request.